Delta Methylmercury Control Studies
Technical Advisory Committee Members

Tom Grieb, PhD (Chair)
Vice President, Tetra Tech, Inc. , Lafayette, CA
Expertise: Behavior of metals in the aquatic environment and the application of statistical methods to characterize uncertainty in simulation models and environmental data sets. Has worked with the San Francisco Bay Clean Estuary Partnership to develop the conceptual model for mercury in San Francisco Bay. Has served as technical lead and project manager for several other TMDL projects in the Bay-Delta including the Copper and Nickel TMDL project for South San Francisco Bay and the Guadalupe River Watershed Mercury TMDL. Is currently the project manager for the technical studies supporting the development of the Selenium TMDL in North San Francisco Bay.

Steve Balogh, PhD
Metropolitan Council Environmental Services, St. Paul, MN
Expertise: Served as project leader on a number of studies regarding the fate and transport of Hg and MeHg within wastewater treatment plants, and on the relative contributions of wastewater treatment plants to loads of Hg and MeHg in receiving streams. Has directed projects addressing diffuse (nonpoint) sources of Hg and MeHg in rivers and streams. Since 1992, has operated an analytical laboratory for the trace determination of Hg and MeHg in environmental matrices.

Brian Branfireun, PhD
Professor, University of Western Ontario, London, Ontario, Canada
Expertise: Studies hydrology, ecology and biogeochemistry of wetland-dominated environments from the Canadian sub-arctic to the sub-tropics of Mexico. Areas of research address mercury cycling and transport, particularly as it pertains to methylation and association with organic matter, as well as controls on mercury methylation and demethylation processes. Has expertise in wetland hydrology, and has published research on contaminant fate and transport in urban environments.

John Cain, MLA
Conservation Director for California Floodplain Management, American Rivers, Berkeley, CA
Expertise: Has 15 years experience with the interrelated issues of river restoration, water supply management, water quality, and flood risk reduction in California's Central Valley and the Bay-Delta ecosystem. Has planned or actively participated in the planning of several large scale efforts that could affect the fate and transport of methylmercury in the Bay Delta ecosystem, including the 1200 acre Dutch Slough tidal marsh restoration project, increasing the frequency of inundation on the Yolo Bypass, restoring flow to the San Joaquin River, subsidence reversal ponds on Twitchel island, management of the Marsh Creek watershed, geomorphic analysis of Cache Creek, reservoir re-operation, the Bay Delta Conservation Plan, and the Central Valley Flood Protection Plan.

Mark Grismer, PhD
Professor of Hydrology and Biological and Agricultural Engineering, UC Davis, Davis, CA
Expertise: Wetland design, hydrology and transport, urban runoff and irrigation, drainage management or water use. Also studies soil erosion and runoff processes on agricultural lands, water movement in the watershed and shallow subsurface and associated water quality problems, water quality in wetland systems, and management solutions.

Dr. Carol Kelly, PhD
R&K Research, Canada.
Expertise: Mercury and carbon biogeochemistry in lakes, wetlands and estuaries, mercury methylation, bioavailability of mercury for methylation, mercury transport, field-based investigations, and whole ecosystem manipulations including mercury additions and wetland flooding. Also familiar with QA/QC programs for mercury analyses in water, sediment, and biota. Tangential areas: nitrogen and sulfur cycling in lakes, acid rain, primary production, methanogenesis, anaerobic and aerobic decomposition.

Dave Krabbenhoft, PhD
Research Hydrologist & Geochemist, US Geological Survey, Middleton, WI
Expertise: Has 24 years experience in environmental mercury research, with specific expertise on the biogeochemistry of important processes that control transport, bioaccumulation and toxicity. Has worked on a wide range of environments across the United States, including several projects in the Bay-Delta system. Has been directly involved with three of the largest ecosystem restoration efforts ever undertaken in the US, including the Everglades, Great Lakes, and San Francisco Bay, all of which have significant mercury contamination concerns.